

GROUND-WATER LEVELS

KING GEORGE COUNTY

381746077020002. Local number, 54Q 58.

LOCATION.--Lat 38°17'46", long 77°02'00", Hydrologic Unit 02070011, 0.7 mi northeast of the main gate at Tetotum Flats at the Naval Surface Warfare Center, Dahlgren Laboratory, in Dahlgren. Owner: U.S. Department of the Navy.

AQUIFER.--Columbia aquifer of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water well, diameter 4 in. to 9.3 ft, 14.3 to 16.8 ft, depth 16.8 ft, screened 9.3 to 14.3 ft.

INSTRUMENTATION.--Digital recorder--60-minute punch. Prior to Dec. 6, 1995, monthly measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 17.89 ft above sea level. Measuring point: Top of recorder shelf, 2.67 ft above land-surface datum. Prior to Dec. 6, 1995, top of casing, 2.29 ft above land-surface datum.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.74 ft below land-surface datum, Mar. 22, 1998; lowest measured, 15.09 ft (below bottom of screen; may not reflect true water-level elevation in aquifer) below land-surface datum, Sept. 25, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
LOWEST DAILY VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-----|
| 5 | 13.93 | --- | 13.65 | 13.52 | 12.17 | 8.14 | 8.46 | 9.55 | 10.94 | 11.80 | 12.64 | --- |
| 10 | 14.02 | 14.10 | 13.63 | 13.45 | --- | 6.67 | 8.65 | 9.80 | 11.15 | 11.92 | 12.73 | --- |
| 15 | 14.10 | 13.97 | 13.62 | 13.44 | --- | 7.56 | 8.86 | 10.02 | 11.29 | 12.07 | --- | --- |
| 20 | --- | 13.86 | 13.60 | 13.42 | --- | 6.62 | 8.44 | 10.24 | 11.42 | 12.21 | --- | --- |
| 25 | --- | 13.75 | 13.58 | 13.26 | --- | 6.10 | 8.82 | 10.45 | 11.55 | 12.35 | 13.41 | --- |
| EOM | --- | 13.69 | 13.56 | 12.65 | 8.11 | 7.75 | 9.21 | 10.71 | 11.66 | 12.50 | --- | --- |

WATER YEAR 1998 HIGHEST INSTANTANEOUS 4.74 MAR 22, 1998
LOWEST INSTANTANEOUS a14.24 NOV 9, 1997

a May have gone lower during period of missing record.

